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M Crovella

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Predicting whole-program locality through reuse **distance analysis** - group of 7 »
C Ding, Y Zhong - ACM SIGPLAN Notices, 2003 - portal.acm.org
... attainable through three techniques: **approximate** analy- sis ... originally called LRU **stack distance**), pattern recognition ... discusses possible uses of this **analysis**. ...
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[PS] Reuse **distance analysis** for scientific programs - group of 4 »
Y Zhong, C Ding, K Kennedy - Proceedings of Workshop on Languages, Compilers, and Run- ..., 2002 - cogsci.rochester.edu
... access trace [3] or stores all program data in a **stack** [10] or ... incurs a tiny fraction of the memory at the cost of accurate **analysis**. ... **approximate** trace , which ...
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Efficient (**Stack**) Algorithms for **Analysis** of Write-Back and Sector Memories - group of 4 »
JG THOMPSON, AJAY SMITH - ACM Transactions on Computer Systems, 1989 - portal.acm.org
... The level at which the block is found is referred to as its stuck **distance**; see Figure 1. Using **stack analysis**, it is possible to compute the miss ratio of ...
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Estimating cache misses and locality using **stack** distances - group of 6 »
C CaBcaval, DA Padua - Proceedings of the 17th annual international conference on ..., 2003 - portal.acm.org
... Methods that **approximate** cache misses for these types of indices have presented in [4 ... histogram at compile-time, we need to compute the **stack distance** for each ...
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StatCache: a probabilistic approach to efficient and accurate data locality **analysis** - group of 3 »
E Berg, E Hagersten - Performance **Analysis** of Systems and Software, 2004 IEEE ..., 2004 - ieeexplore.ieee.org
... method for peifonning dara-loca/ili' **analysis** on realistic ... For example the **stack distance** of reference 6 is ... The solution is to **approximate** the varying miss ...
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Calculating **stack** distances efficiently - group of 5 »
G Almási, C Caşcaval, DA Padua - Proceedings of the workshop on Memory system performance, 2003 - portal.acm.org
... misses in fully associative caches, and to **approximate** them in ... and the element is pushed on top of the **stack**. 4.1.1 **Analysis** For each reference in the trace ...
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Method and structure for evaluating and enhancing the performance of cache memory systems - group of 3 »
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